

Article

A Missense Variant in *COMT* Associated with Hearing Loss among Young Adults: The National Longitudinal Study of Adolescent to Adult Health (Add Health)

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Supplementary Materials: The following supporting information can be downloaded at: <https://www.mdpi.com/article/10.3390/biomedicines10112756/s1>, **Table S1:** Associations between hearing loss and allele and genotype of rs1800497 and rs1800497; **Figure S1:** Prevalence of hearing loss by allele and genotype of rs1800497; **Figure S2:** Prevalence of hearing loss by allele and genotype of rs12945042.

Table S1. Associations between hearing loss and allele and genotype of. rs1800497 and rs1800497

SNP	Model *	β Estimates (95% CI)	Weight
rs800497 (<i>DRD2</i>) Allele (A vs. G)	Non-Hispanic White	-0.05 (-0.19 - 0.09)	67.8%
	Non-Hispanic Black	-0.06 (-0.34 - 0.22)	16.5%
	Hispanic	-0.23 (-0.58 - 0.13)	10.9%
	Non-Hispanic Asian	-0.15 (-0.68 - 0.38)	4.8%
	Meta-analysis	-0.08 (-0.19 - 0.04)	
	<i>P</i> value	0.1940	
	Genotype (additive model) (reference: GG)		
	Non-Hispanic White	-0.06 (-0.20 - 0.08)	67.6%
	Non-Hispanic Black	-0.07 (-0.35 - 0.21)	16.0%
	Hispanic	-0.20 (-0.55 - 0.14)	10.9%
rs12945042 (near <i>SLC6A4</i>) Allele (C vs. T)	Non-Hispanic Asian	-0.05 (-0.53 - 0.44)	5.5%
	Meta-analysis	-0.08 (-0.19 - 0.04)	
	<i>P</i> value	0.1899	
	Genotype (additive model) (reference: TT)		
	Non-Hispanic White	0.03 (-0.09 - 0.16)	73.4%
	Non-Hispanic Black	-0.12 (-0.43 - 0.19)	12.2%
	Hispanic	-0.16 (-0.50 - 0.17)	10.4%
	Meta-analysis	-0.03 (-0.14 - 0.08)	
	<i>P</i> value	0.6283	
	Non-Hispanic White	-0.02 (-0.15 - 0.10)	83.8%
	Non-Hispanic Black	0.12 (-0.20 - 0.44)	11.7%
	Hispanic	0.15 (-0.19 - 0.49)	10.2%
	Non-Hispanic Asian	0.47 (-0.05 - 0.99)	4.3%
	Meta-analysis	0.03 (-0.08 - 0.14)	
	<i>P</i> value	0.5501	

- The allelic and genotypic association models were evaluated using regression (additive model) adjusted for age, sex, education level, smoking status, and household income by racial/ethnic groups.

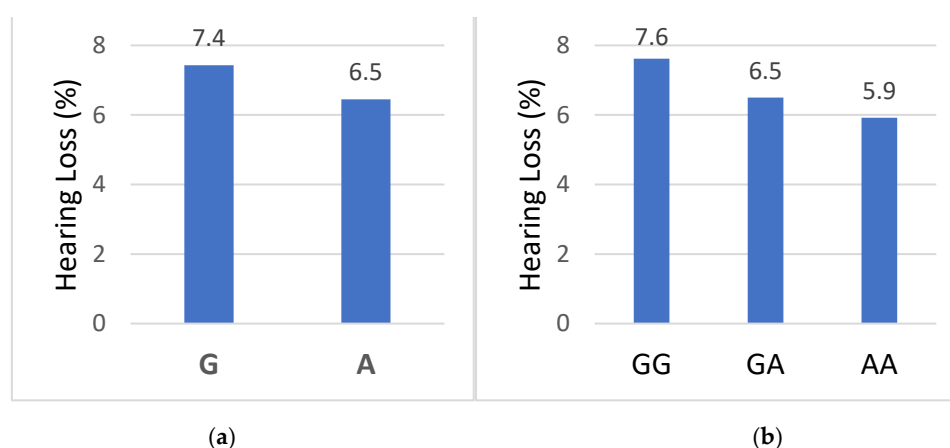


Figure S1. Prevalence of hearing loss by allele and genotype of rs1800497 (DDR2): (a) allele; (b): genotype.

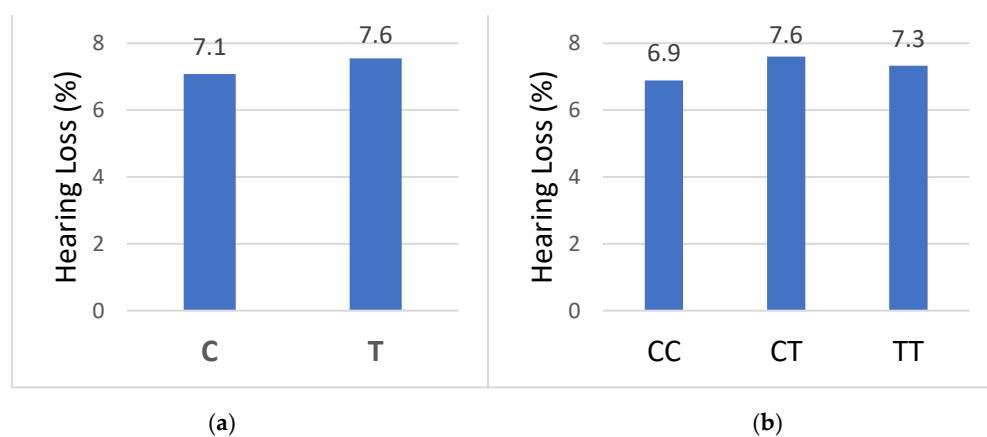


Figure S2. Prevalence of hearing loss by allele and genotype of rs12945042: (a) allele; (b): genotype.